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PCT09

**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/09/831,765

DATE: 09/24/2001  
TIME: 16:15:25

Input Set : A:\20351p.txt  
Output Set: N:\CRF3\09242001\I831765.raw

**ENTERED**

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62 <213> ORGANISM: Homo sapien (human)  
 64 <400> SEQUENCE: 2  
 65 Met Tyr Ser Gly Asn Arg Ser Gly Gly His Gly Tyr Trp Asp Gly Gly  
   66   1               5               10               15  
   67 Gly Ala Ala Gly Ala Glu Gly Pro Ala Pro Ala Gly Thr Leu Ser Pro  
   68       20               25               30  
   69 Ala Pro Leu Phe Ser Pro Gly Thr Tyr Glu Arg Leu Ala Leu Leu Leu  
   70       35               40               45  
   71 Gly Ser Ile Gly Leu Leu Gly Val Gly Asn Asn Leu Leu Val Leu Val  
   72       50               55               60  
   73 Leu Tyr Tyr Lys Phe Gln Arg Leu Arg Thr Pro Thr His Leu Leu Leu  
   74   65               70               75               80  
   75 Val Asn Ile Ser Leu Ser Asp Leu Leu Val Ser Leu Phe Gly Val Thr  
   76       85               90               95  
   77 Phe Thr Phe Val Ser Cys Leu Arg Asn Gly Trp Val Trp Asp Thr Val  
   78       100               105               110  
   79 Gly Cys Val Trp Asp Gly Phe Ser Gly Ser Leu Phe Gly Ile Val Ser  
   80       115               120               125  
   81 Ile Ala Thr Leu Thr Val Leu Ala Tyr Glu Arg Tyr Ile Arg Val Val  
   82       130               135               140  
   83 His Ala Arg Val Ile Asn Phe Ser Trp Ala Trp Arg Ala Ile Thr Tyr  
   84   145               150               155               160  
   85 Ile Trp Leu Tyr Ser Leu Ala Trp Ala Gly Ala Pro Leu Leu Gly Trp  
   86       165               170               175  
   87 Asn Arg Tyr Ile Leu Asp Val His Gly Leu Gly Cys Thr Val Asp Trp  
   88       180               185               190  
   89 Lys Ser Lys Asp Ala Asn Asp Ser Ser Phe Val Leu Phe Leu Phe Leu  
   90       195               200               205  
   91 Gly Cys Leu Val Val Pro Leu Gly Val Ile Ala His Cys Tyr Gly His  
   92       210               215               220  
   93 Ile Leu Tyr Ser Ile Arg Met Leu Arg Cys Val Glu Asp Leu Gln Thr  
   94   225               230               235               240  
   95 Ile Gln Val Ile Lys Ile Leu Lys Tyr Glu Lys Lys Leu Ala Lys Met  
   96       245               250               255  
   97 Cys Phe Leu Met Ile Phe Thr Phe Leu Val Cys Trp Met Pro Tyr Ile  
   98       260               265               270  
   99 Val Ile Cys Phe Leu Val Val Asn Gly His Gly His Leu Val Thr Pro  
 100       275               280               285  
 101 Thr Ile Ser Ile Val Ser Tyr Leu Phe Ala Lys Ser Asn Thr Val Tyr  
 102       290               295               300  
 103 Asn Pro Val Ile Tyr Val Phe Met Ile Arg Lys Phe Arg Arg Ser Leu  
 104   305               310               315               320  
 105 Leu Gln Leu Leu Cys Leu Arg Leu Leu Arg Cys Gln Arg Pro Ala Lys  
 106       325               330               335  
 107 Asp Leu Pro Ala Ala Gly Ser Glu Met Gln Ile Arg Pro Ile Val Met  
 108       340               345               350  
 109 Ser Gln Lys Asp Gly Asp Arg Pro Lys Lys Lys Val Thr Phe Asn Ser  
 110       355               360               365  
 111 Ser Ser Ile Ile Phe Ile Ile Thr Ser Asp Glu Ser Leu Ser Val Asp

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|     |  |     |     |     |
|-----|--|-----|-----|-----|
| 112 | 370  | 375 | 380 |     |
| 113 | Asp Ser Asp Lys Thr Asn Gly Ser Lys Val Asp Val Ile Gln Val Arg      |     |     |     |
| 114 | 385  | 390 | 395 | 400 |
| 115 | Pro Leu  |     |     |     |
| 118 | <210> SEQ ID NO: 3   |     |     |     |
| 119 | <211> LENGTH: 395  |     |     |     |
| 120 | <212> TYPE: DNA  |     |     |     |
| 121 | <213> ORGANISM: Homo sapien (human)                                  |     |     |     |
| 123 | <400> SEQUENCE: 3  |     |     |     |
| 124 | taagtcaagta gcataaaaaac atgagcaagt acatctaatac acatctgaga atactaaaat |     |     | 60  |
| 125 | ggatgtgtgg tttcatttct gcatttcatac ttagcagtaa atgtcaaaat gcatcatata   |     |     | 120 |
| 126 | tgcattttgtg acttggaaactc ttctcgaaaga ggctgccgt aaacccgtcc cacacgcagc |     |     | 180 |
| 127 | ccacgggtgtc ccacacccag ccgttcctca ggcaggacac gaaggtaaag gtgaccggga   |     |     | 240 |
| 128 | agaggttacac agcagggtcgc tgaggctgtat gttgaccagg aggaggtgag tggagtgcg  |     |     | 300 |
| 129 | gagcgcttggaa acttgttagta gaggacgagc accagcagggt tggatgtcg            |     |     | 360 |
| 130 | ccaatggagc ccagcagcagc cgccaggccct cgtgc                             |     |     | 395 |
| 132 | <210> SEQ ID NO: 4   |     |     |     |
| 133 | <211> LENGTH: 27   |     |     |     |
| 134 | <212> TYPE: DNA  |     |     |     |
| 135 | <213> ORGANISM: Artificial Sequence ✓                                |     |     |     |
| 137 | <220> FEATURE:   |     |     |     |
| 138 | <223> OTHER INFORMATION: Oligonucleotide ✓                           |     |     |     |
| 140 | <400> SEQUENCE: 4  |     |     |     |
| 141 | cgggttaccat gtactcgaaaa aaccgca                                      |     |     | 27  |
| 143 | <210> SEQ ID NO: 5   |     |     |     |
| 144 | <211> LENGTH: 30   |     |     |     |
| 145 | <212> TYPE: DNA  |     |     |     |
| 146 | <213> ORGANISM: Artificial Sequence ✓                                |     |     |     |
| 148 | <220> FEATURE:   |     |     |     |
| 149 | <223> OTHER INFORMATION: Oligonucleotide ✓                           |     |     |     |
| 151 | <400> SEQUENCE: 5  |     |     |     |
| 152 | gcgcggccgc acgggttattc cagacacttc                                    |     |     |     |
| 154 | <210> SEQ ID NO: 6   |     |     | 30  |
| 155 | <211> LENGTH: 30   |     |     |     |
| 156 | <212> TYPE: DNA  |     |     |     |
| 157 | <213> ORGANISM: Artificial Sequence ✓                                |     |     |     |
| 159 | <220> FEATURE:   |     |     |     |
| 160 | <223> OTHER INFORMATION: Oligonucleotide ✓                           |     |     |     |
| 162 | <400> SEQUENCE: 6  |     |     |     |
| 163 | gcgcggccgc cccattttc gttgccattc                                      |     |     |     |
| 165 | <210> SEQ ID NO: 7   |     |     | 30  |
| 166 | <211> LENGTH: 22   |     |     |     |
| 167 | <212> TYPE: DNA  |     |     |     |
| 168 | <213> ORGANISM: Artificial Sequence ✓                                |     |     |     |
| 170 | <220> FEATURE:   |     |     |     |
| 171 | <223> OTHER INFORMATION: Oligonucleotide ✓                           |     |     |     |
| 173 | <400> SEQUENCE: 7  |     |     |     |
| 174 | caacaacctg ctgggtctcg tc   |     |     |     |
| 176 | <210> SEQ ID NO: 8   |     |     | 22  |

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177 <211> LENGTH: 18  
178 <212> TYPE: DNA  
179 <213> ORGANISM: Artificial Sequence  
181 <220> FEATURE:  
182 <223> OTHER INFORMATION: Oligonucleotide  
184 <400> SEQUENCE: 8  
185 gctgggcgtc ggcaacaa 18  
187 <210> SEQ ID NO: 9  
188 <211> LENGTH: 20  
189 <212> TYPE: DNA  
190 <213> ORGANISM: Artificial Sequence  
192 <220> FEATURE:  
193 <223> OTHER INFORMATION: Oligonucleotide  
195 <400> SEQUENCE: 9  
196 caggcaggac acgaaggtaa 20  
198 <210> SEQ ID NO: 10  
199 <211> LENGTH: 22  
200 <212> TYPE: DNA  
201 <213> ORGANISM: Artificial Sequence  
203 <220> FEATURE:  
204 <223> OTHER INFORMATION: Oligonucleotide  
206 <400> SEQUENCE: 10  
207 ggtcgctgag gctgatgtt ac 22  
209 <210> SEQ ID NO: 11  
210 <211> LENGTH: 20  
211 <212> TYPE: DNA  
212 <213> ORGANISM: Artificial Sequence  
214 <220> FEATURE:  
215 <223> OTHER INFORMATION: Oligonucleotide  
217 <400> SEQUENCE: 11  
218 ggggatgtgc tgcaaggcga 20  
220 <210> SEQ ID NO: 12  
221 <211> LENGTH: 22  
222 <212> TYPE: DNA  
223 <213> ORGANISM: Artificial Sequence  
225 <220> FEATURE:  
226 <223> OTHER INFORMATION: Oligonucleotide  
228 <400> SEQUENCE: 12  
229 ccagggtttt cccagtacg ac 22  
231 <210> SEQ ID NO: 13  
232 <211> LENGTH: 25  
233 <212> TYPE: DNA  
234 <213> ORGANISM: Artificial Sequence  
236 <220> FEATURE:  
237 <223> OTHER INFORMATION: Oligonucleotide  
239 <400> SEQUENCE: 13  
240 cccaggcttt acactttatg cttcc 25  
242 <210> SEQ ID NO: 14  
243 <211> LENGTH: 25

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244 <212> TYPE: DNA  
 245 <213> ORGANISM: Artificial Sequence  
 247 <220> FEATURE:  
 248 <223> OTHER INFORMATION: Oligonucleotide  
 250 <400> SEQUENCE: 14  
 251 ttgtgtggaa ttgtgagcgg ataac  
 253 <210> SEQ ID NO: 15  
 254 <211> LENGTH: 348  
 255 <212> TYPE: PRT  
 256 <213> ORGANISM: Homo sapien (human)  
 258 <400> SEQUENCE: 15  
 259 Met Asn Gly Thr Glu Gly Pro Asn Phe Tyr Val Pro Phe Ser Asn Ala  
 260 1 5 10 15  
 261 Thr Gly Val Val Arg Ser Pro Phe Glu Tyr Pro Gln Tyr Tyr Leu Ala  
 262 20 25 30  
 263 Glu Pro Trp Gln Phe Ser Met Leu Ala Ala Tyr Met Phe Leu Leu Ile  
 264 35 40 45  
 265 Val Leu Gly Phe Pro Ile Asn Phe Leu Thr Leu Tyr Val Thr Val Gln  
 266 50 55 60  
 267 His Lys Lys Leu Arg Thr Pro Leu Asn Tyr Ile Leu Leu Asn Leu Ala  
 268 65 70 75 80  
 269 Val Ala Asp Leu Phe Met Val Leu Gly Gly Phe Thr Ser Thr Leu Tyr  
 270 85 90 95  
 271 Thr Ser Leu His Gly Tyr Phe Val Phe Gly Pro Thr Gly Cys Asn Leu  
 272 100 105 110  
 273 Glu Gly Phe Phe Ala Thr Leu Gly Gly Glu Ile Ala Leu Trp Ser Leu  
 274 115 120 125  
 275 Val Val Leu Ala Ile Glu Arg Tyr Val Val Val Cys Lys Pro Met Ser  
 276 130 135 140  
 277 Asn Phe Arg Phe Gly Glu Asn His Ala Ile Met Gly Val Ala Phe Thr  
 278 145 150 155 160  
 279 Trp Val Met Ala Leu Ala Cys Ala Ala Pro Pro Leu Ala Gly Trp Ser  
 280 165 170 175  
 281 Arg Tyr Ile Pro Glu Gly Leu Gln Cys Ser Cys Gly Ile Asp Tyr Tyr  
 282 180 185 190  
 283 Thr Leu Lys Pro Glu Val Asn Asn Glu Ser Phe Val Ile Tyr Met Phe  
 284 195 200 205  
 285 Val Val His Phe Thr Ile Pro Met Ile Ile Phe Phe Cys Tyr Gly  
 286 210 215 220  
 287 Gln Leu Val Phe Thr Val Lys Glu Ala Ala Gln Gln Gln Glu Ser  
 288 225 230 235 240  
 289 Ala Thr Thr Gln Lys Ala Glu Lys Glu Val Thr Arg Met Val Ile Ile  
 290 245 250 255  
 291 Met Val Ile Ala Phe Leu Ile Cys Trp Val Pro Tyr Ala Ser Val Ala  
 292 260 265 270  
 293 Phe Tyr Ile Phe Thr His Gln Gly Ser Asn Phe Gly Pro Ile Phe Met  
 294 275 280 285  
 295 Thr Ile Pro Ala Phe Phe Ala Lys Ser Ala Ala Ile Tyr Asn Pro Val  
 296 290 295 300

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